

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

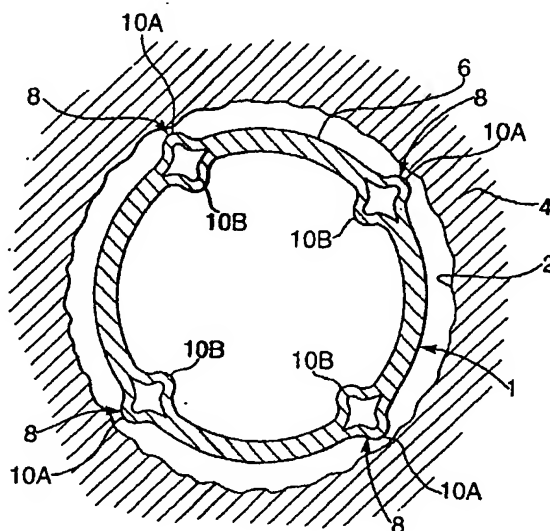
PCT

(10) International Publication Number
WO 2004/016905 A1

- (51) International Patent Classification⁷: E21B 43/10, C09J 5/04
- (21) International Application Number: PCT/EP2003/008843
- (22) International Filing Date: 8 August 2003 (08.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02255562.7 8 August 2002 (08.08.2002) EP
- (71) Applicant (for all designated States except CA, US): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL).
- (71) Applicant (for CA only): SHELL CANADA LIMITED [CA/CA]; 400, 4th Avenue S.W., Calgary, Alberta T2P 2H5 (CA).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): LOHBECK, Wilhelmus, Christianus, Maria [NL/NL]; Volmerlaan 8, NL-2288 GD Rijswijk (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: EXPANDABLE TUBULAR ELEMENT FOR USE IN A WELLBORE



(57) Abstract: An expandable tubular element having a wall including at least a portion formed of a plurality of stacked wall layers, each wall layer having a bent configuration in a cross-sectional plane prior to radial expansion of the tubular element and being arranged to deform from the bent configuration to a more stretched configuration upon radial expansion of the tubular element.